

## CLAIMS

What is claimed is:

1           1.     A housing arrangement for a friction clutch, comprising a ring-like  
2     housing wall region having a longitudinal axis and a radially inward-facing inner side, a  
3     toothing formation arranged on said inner side for the rotary coupling of at least one  
4     friction member, and an annular disk-shaped housing bottom region on one axial side of  
5     said housing wall region, wherein said housing bottom region is formed integrally with  
6     said housing wall region.

1           2.     The housing arrangement for a friction clutch of claim 1, wherein  
2     said toothing formation has a plurality of toothing projections extending in the direction  
3     of the longitudinal axis and succeeding one another in a circumferential direction.

1           3.     The housing arrangement for a friction clutch of claim 2, wherein  
2     said housing bottom region defines an orifice extending axially therethrough and  
3     adapted at least partially to the shape of the toothing projections between each adjacent  
4     pair of toothing projections.

1           4.     A method for producing a housing arrangement for a friction clutch,  
2     comprising the steps of:

3                 producing a housing blank with a ring-like housing wall region and an  
4     annular disk-shaped housing bottom region such that the housing bottom region is  
5     formed integrally with the housing wall region; and

6                   forming a toothing formation on a radially inner side of the ring-like  
7 housing wall region, the toothing formation arranged for engaging at least one friction  
8 member of the friction clutch.

1                   5.       The method of claim 4, wherein said step of producing comprises  
2 providing the ring-like housing wall region with an essentially unstructured surface on  
3 the radially inner side thereof.

1                   6.       The method of claim 4, wherein said step of producing comprises  
2 providing the ring-like housing wall region with an inside diameter which corresponds  
3 essentially to the minimum inside diameter of the toothing formation to be formed during  
4 said step of forming.

1                   7.       The method of claim 4, wherein said steps of producing the housing  
2 blank and forming the toothing formation each comprise using a material-removing  
3 machining operation.

1                   8.       The method of claim 4, wherein said step of forming comprises  
2 forming the toothing formation using wire erosion.

1                   9.       The method of claim 8, wherein said step of forming comprises  
2 forming an orifice in the housing bottom region for leading through an eroding wire  
3 therethrough in a region between two toothing projections of the toothing formation  
4 which are to be formed.

1           10. The method of claim 4, further comprising the step of forming at  
2 least one radial orifice in the housing wall region lying between two tothing projections.

1           11. The method of claim 10, wherein said step of forming at least one  
2 radial orifice is performed before the step of forming the tothing formation.

1           12. The method of claim 10, wherein said step of forming at least one  
2 radial orifice is performed after the step of forming the tothing formation.

1           13. The method of claim 4, further comprising the step of forming an  
2 axial orifice on an end face of the housing wall region which is remote from the housing  
3 bottom region and in a region of at least one tothing projection.

1           14. The method of claim 13, wherein the axial orifice is an internally  
2 threaded orifice.

1           15. The method of claim 13, wherein said step of forming an axial  
2 orifice is performed before the step of forming the tothing formation.

1           16. The method of claim 13, wherein said step of forming an axial  
2 orifice is performed after the step of forming the tothing formation.